

EWIS Port Truss Unknown Qualify

Description	
Sensor	SAMS 121f05 142.0000 sa/sec (6.00 Hz)
Location	JPM1F5, ER4, Drawer 2
Plot Type	Interval RMS (10-min.) $f < 3$ Hz

Notes:

- See background notes on last page.
- This plot shows a statistical summary for the entire month of September 2013.
- The gray trace in the plot here is based on SAMS measurements in the JEM, which were low-pass filtered ($f < 3$ Hz) to focus on the vehicle structural mode regime.
- The “S-Axis” in the title references the fact that these are total RMS results from X-, Y-, and Z-axis data.
- The periodicity in this gray trace is attributed to the daily cycle of crew sleep and wake. Higher levels during wake.
- The magenta dots were placed on top of the gray trace RMS results at times enumerated as EWIS trigger times.
- Note that there are clearly some times when EWIS triggers were coincident with peaks in SAMS RMS, but also many that are not coincident.

Regime:	Vibratory
Category:	Vehicle
Source:	EWIS Port Truss Unknown

